METHODS FOR COMPUTING THE CRC OF A MESSAGE FROM THE INCREMENTAL CRCs OF COMPOSITE SUB-MESSAGES

Abstract

5   A method of generating a CRC for a composite sub-message based on a CRC generating polynomial having at least two factors. The composite sub-message includes sub-message data and a number, n, of trailing zeros. The method includes generating a first remainder based on the sub-message data and a first factor of the CRC generating polynomial. A second remainder is

10   generated based on the sub-message data and a second factor of the CRC generating polynomial. The CRC for the composite sub-message is generated based on adjusted versions of the first and the second remainders.